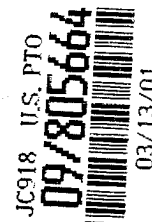


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Zyskind et al.  
Serial No. : To be assigned  
Filed : March 13, 2001  
Title : METHOD FOR IDENTIFYING MICROBIAL PROLIFERATION GENES

Art Unit : Unassigned  
Examiner : Unassigned

Commissioner for Patents  
Washington, D.C. 20231



INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 08/971,090, filed on November 14, 1997. The references submitted to and/or cited by the Office in the prior application are listed on the attached copies of Information Disclosure Statement, Supplemental Information Disclosure Statement, and Forms PTO-1449 and, therefore, are not provided in this application:

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050.

CERTIFICATE OF MAILING BY EXPRESS MAIL

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I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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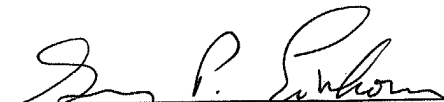
Gildardo Vargas, Jr.  
Typed or Printed Name of Person Signing Certificate

Applicant : Zyskind et al.  
Serial No. :  
Filed :  
Page : 2

Attorney's Docket No.: 07252-008002

Respectfully submitted,

Date: March 13, 2007



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Reg. No. 38,440

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(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
07252/008001SERIAL NO.  
08/971,090INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Zyskind et al.FILING DATE  
November 14, 1997

GROUP

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5 6 6 5 5 5 0	09/09/97	Roninson et al.			
AB	5 6 3 9 5 9 5	06/17/97	Mirabelli et al.			
AC	5 2 1 7 8 8 9	06/08/93	Roninson et al.			
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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL							
AM							
AN							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AQ	Akhtar, S., et al., "In vivo studies with antisense oligonucleotides," <u>TIPS</u> , Vol. 18, pp. 12-18 (January 1997)
AP	Xie, Y., et al., "A ribozyme-mediated, gene 'knockdown' strategy for the identification of gene function in zebrafish," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 94, pp. 13777-13781 (December 1997)
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AR	Li, L., et al., "tsg101: A Novel Tumor Susceptibility Gene Isolated by Controlled Homozygous Functional Knockout of Allelic Loci in Mammalian Cells," <u>Cell</u> , Vol. 85, pp. 319-329 (May 3, 1996)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 07252/008001		SERIAL NO. 08/971,090	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 CFR 1.98(b))				APPLICANT Zyskind et al.			
				FILING DATE November 14, 1997		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
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	BQ	Mao, J., et al., "Gene Regulation by Antisense DNA Produced <i>in Vivo</i> ," <u>J. Biol. Chem.</u> , Vol. 270, No. 34, pp. 19684-19687 (1995)					
	BR	Ripalti, A., et al., "Cytomegalovirus-Mediated Induction of Antisense mRNA Expression ... Identification of an Essential Gene," <u>J. Virol.</u> , Vol. 69, No. 4, pp. 2047-2057 (Apr. 1995)					
	BS	Murphy, C., et al., "A double counter-selection system for the study of null alleles of essential genes in <i>Escherichia coli</i> ," <u>Gene</u> , 155, pp. 1-7 (1995)					
EXAMINER				DATE CONSIDERED			
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November 14, 1997

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(37 CFR 1.98(b))

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	CA						
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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	CL						
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## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	CQ	Inokuchi, Y., et al., "A Hammerhead Ribozyme Inhibits the Proliferation of an RNA Coliphage SP in <i>Escherichia coli</i> ," <u>J. Biol. Chem.</u> , Vol. 269, pp. 11361-11366 (1994)
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	DL						
	DM						
	DN						
	DO						
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	DQ	Lindquist, S., et al., "AmpG, a signal transducer in chromosomal $\beta$ -lactamase induction," <u>Molecular Microbiology</u> , 9(4), pp. 703-715 (1993)					
	DR	Chrissey, L., et al. "Internalization of Oligodeoxyribonucleotides by <i>Vibrio parahaemolyticus</i> ," <u>Antisense Research and Development</u> , 3, pp. 367-381 (1993)					
	DS	Gasparro, F.P., et al., "Photoactivatable Antisense DNA: Suppression of Ampicillin Resistance in Normally Resistant <i>Escherichia coli</i> ," <u>Antisense Research and Development</u> , 1, pp. 117-140 (1991)					
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SUBSTITUTE FORM PTO-1449  
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U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
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(Use several sheets if necessary)

APPLICANT  
Zyskind et al.

FILING DATE  
November 14, 1997

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(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	EA						
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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							YES	NO
	EL							
	EM							
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	EO							
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	EQ	Hastie, N., et al., "Analysis of mRNA populations by cDNA-mRNA hybrid-mediated inhibition of cell-free protein synthesis," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 75, No. 3, pp. 1217-1221 (1978)
	ER	Genbank Accession No. AF000956
	ES	Genbank Accession No. M20791

EXAMINER

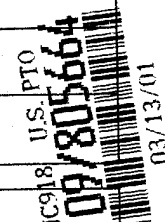
DATE CONSIDERED

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				FILING DATE November 14, 1997		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	FL						
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	FQ	Genbank Accession No. M14029					
	FR	Genbank Accession No. S67816					
	FS						
EXAMINER					DATE CONSIDERED		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 07252-008001	Application No. 08/971,090
	Applicant Zyskind <i>et al</i>			
	Filing Date November 14, 1997		Group Art Unit 1655	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,679,523	10/21/97	Li et al.			01/16/96
	AB	5,955,275	09/21/99	Kamb			03/04/97
	AC						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AD	EP 0 816 511	01/07/98	EPO			X	
	AE	EP 0 837 142	04/22/98	EPO			X	
	AF	WO 98/20161	05/14/98	PCT			X	
	AG	WO 99/28508	06/10/99	PCT			X	
	AH	WO 99/35494	07/15/99	PCT			X	
	AI	WO 99/50462	10/07/99	PCT			X	
	AJ	WO 99/52926	10/21/99	PCT			X	
	AK	WO 99/53079	10/21/99	PCT			X	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07252-008001	Application No. 08/971,090
		Applicant Zyskind, J. W., et al.	
		Filing Date November 14, 1997	Group Art Unit 1655

JC918 U.S. PTO  
 09/805664  
 03/13/01

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Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,906,742	March 6, 1990	Young, et al.	536	27	July 31, 1986
	AB						
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	AI						
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## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	Holzmayer TA, Pestov DG, Roninson IB., Isolation of dominant negative mutants and inhibitory antisense RNA sequences by expression selection of random DNA fragments, <i>Nucleic Acids Res</i> 1992 Feb 25;20(4):711-717.
	AR	Gudkov, A.V., and Roninson, I.B., Isolation of Genetic Suppressor Elements (GSEs) from Random Fragment cDNA Libraries in Retroviral Vectors, <i>Methods in Molec. Biol.</i> , Vol. 69, cDNA Library Protocols, Edited by I.G. Cowell and C.A. Austin, Humana Press, Inc. Totowa, N.Y.
	AS	
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Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

# **Notice of References Cited**

Application No.  
**08/971,090**

Applicant(s)  
**Zyskind et al**

Examiner  
**Jeffrey Fredman**

Group Art Unit  
**1634**

Page 1 of 1

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	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,821,076	10/1998	Timberlake et al	435	34
B					
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## **FOREIGN PATENT DOCUMENTS**

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
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## **NON-PATENT DOCUMENTS**

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U	Cormier-Regard et al, "Differential display: identifying genes involved in cardiomyocyte proliferation", Mol. Cell. Biochem. 172:111-120.	07/1997
V	Gossen et al, "Inducible gene expression systems for higher eukaryotic cells", Current Opinion Biotechnol. 5:516-520.	1994
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